

Listing of the Claims

In this Response, Applicant has not amended the claims. The listing of the claims below is presented for the convenience of the Examiner only.

1. (Previously Presented) A receiver comprising:

a receiving unit operable to receive a plurality of program information segments, each of said plurality of program information segments being associated with a plurality of program type identifiers, each program type identifier identifying at least a topic associated with a content of a program information segment;

a program type information extracting unit in communication with the receiving unit, the program type information extracting unit operable to extract a plurality of program type identifiers from an input signal;

a program type information editing unit in communication with said receiving unit and operable to designate at least one of said plurality of program type identifiers invalid in response to a user input;

an editing result storage unit in communication with said receiving unit and operable to identify program type identifiers that have been designated invalid by said program type information editing unit;

a program search processing unit in communication with the editing result storage unit, the program search processing unit operable to search for programs using only program type identifiers that are designated valid; and

a display unit in communication with said receiving unit and operable to display a title of a program information segment, to display a plurality of program type identifiers, and to identify one or more program type identifiers as being invalid.

2. (Original) The receiver of Claim 1 wherein said receiving unit comprises:

an antenna;

a front end unit in communication with said antenna;

a signal demodulator in communication with said front end unit;

a program selector in communication with said signal demodulator;

an audio decoder in communication with said program selector;
a digital to audio converter in communication with said audio decoder;
an amplifier in communication with said digital to audio converter; and
a speaker in communication with said amplifier.

3. (Previously Presented) The receiver of Claim 1 further comprising:
an operating unit in communication with said receiving unit and operable to
select program type identifiers displayed by said display unit,
wherein said program type information editing unit designates the program type
identifier selected by said operating unit invalid.
4. (Original) The receiver of Claim 3 wherein said display unit displays text
corresponding to at least one of said program type identifiers and identifies whether
said at least one of said program type identifiers is invalid.
5. (Previously Presented) The receiver of Claim 1 wherein the program type
information editing unit may designate a program type identifier to be invalid for a
program even if the program type identifier was associated with the program when
received by the receiving unit.
6. (Previously Presented) The receiver of Claim 1 wherein said one or more
program type identifiers comprises a first program type identifier and a second program
type identifier, said first program type identifier provided by a program provider and said
second program type identifier optionally added by a user.
7. (Previously Presented) A receiver comprising:
a receiving unit operable to receive a plurality of program information segments,
each of said plurality of program information segments being associated with a plurality
of program type identifiers, each program type identifier identifying at least a topic
associated with a content of a program information segment;

a program type information extracting unit in communication with the receiving unit, the program type information extracting unit operable to extract a plurality of program type identifiers from an input signal;

a program type information editing unit in communication with said receiving unit and operable to designate at least one of said plurality of program type identifiers valid for the program segment in response to a user input;

an editing result storage unit in communication with said receiving unit and operable to identify program type identifiers that have been designated valid by said program type information editing unit;

a program search processing unit in communication with the editing result storage unit, the program search processing unit operable to search for programs using only program type identifiers that are designated valid; and

a display unit in communication with said receiving unit and operable to display a title of a program information segment, to display a plurality of program type identifiers, and to identify one or more program type identifiers as being valid;

wherein the program type editing unit designates the at least one of said plurality of program type identifiers as being valid for the program information segment, even if the at least one of said plurality of program type identifiers was not associated with the program information segment when received by the receiving unit.

8. (Original) The receiver of Claim 7 wherein said receiving unit comprises:

an antenna;

a front end unit in communication with said antenna;

a signal demodulator in communication with said front end unit;

a program selector in communication with said signal demodulator;

an audio decoder in communication with said program selector;

a digital to audio converter in communication with said audio decoder;

an amplifier in communication with said digital to audio converter; and

a speaker in communication with said amplifier.

9. (Original) The receiver of Claim 7 further comprising:
a display unit in communication with said receiving unit and operable to display said at least one of said program type identifiers; and
an operating unit in communication with said receiving unit and operable to select program type identifiers displayed by said display unit,
wherein said program type information editing unit designates the program type identifier selected by said operating unit valid.
10. (Original) The receiver of Claim 9 wherein said display unit displays text corresponding to at least one of said program type identifiers and identifies whether said at least one of said program type identifiers is valid.
11. (Original) The receiver of Claim 10 further comprising a program search processing unit in communication with said receiving unit and operable to identify program information segments with one or more program type identifiers that correspond to one or more program type identifiers selected by a user.
12. (Original) The receiver of Claim 11 wherein said one or more program type identifiers comprises a first program type identifier and a second program type identifier, said first program type identifier provided by a program provider and said second program type identifier optionally added by a user.
13. (Cancelled)
14. (Previously Presented) A receiver according to Claim 7, wherein said receiving unit is a digital broadcast receiving unit.
15. (Previously Presented) A program search method, said program search method comprising the acts of:
receiving a plurality of program information segments, each of said program information segments being associated with a plurality of program type identifiers, each

program type identifier identifying at least a topic associated with a content of a program information segment;

associating a program type validity designation with at least one of said program type identifiers;

storing results of said act of associating a program type validity designation with at least one of said program type identifiers;

displaying a title of program information segment and a plurality of program type identifiers; and

identifying one or more program type identifiers as being invalid.

16. (Original) The program search method of Claim 15 wherein said program type validity designation comprises a data string corresponding to a valid identification.

17. (Original) The program search method of Claim 15 wherein said program type validity designation comprises a data string corresponding to an invalid identification.

18. (Original) The program search method of Claim 15 further comprising the acts of:

displaying information corresponding to at least one of said plurality of program type identifiers for said plurality of program information segments; and

selecting at least one of said plurality of program type identifiers.

19. (Original) The program search method of Claim 18 further comprising the act of distinguishing program identifiers according to a program type validity designations.

20. (Original) The program search method of Claim 15 further comprising the act of selecting a subset of program information segments utilizing said program type identifiers and said program type validity designations.

21. (Original) The program search method of Claim 15 wherein said plurality of program type identifiers comprise a plurality of first program type identifiers and a

plurality of second program type identifiers, said plurality of first program type identifiers being provided by a program provider and said plurality of second program type identifiers being optionally provided by a user.

22. (Original) The program search method of Claim 15 further comprising the act of initially setting all program type validity designations to identify all program type identifiers to be valid.

23. (Original) The program search method of Claim 16 further comprising the act of initially setting all program type validity designations to identify all program type identifiers to be invalid.